



THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

## ANALYTICAL REPORT

### Perfluorocarbon (PFC) Analysis

Lot #: D9I010246

Dena Haverland

Dalton Utilities  
1200 V.D. Parrot Jr. Parkway  
Dalton, GA 30721

*Eban Am*  
for: Michelle A. Johnston  
Project Manager

September 28, 2009

## Case Narrative D9I010246

TestAmerica Denver utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the methods summary page in accordance with the methods indicated. Dilution factors and footnotes are provided on each datasheet to assist in the interpretation of the results.

The results relate only to the samples in this report and meet all requirements of NELAC. All data have been reviewed for compliance with the laboratory QA/QC plan and have found to be compliant with laboratory protocols with any exceptions noted below.

Please note that Non-Detect (ND) results have been evaluated down to the Method Detection Limit (MDL) and should be considered ND at the MDL. Unless otherwise noted, results for solids have been dry weight corrected.

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### **Sample Arrival and Receipt**

The following report contains the analytical results for eighteen samples received at TestAmerica Denver on September 1, 2009, according to documented sample acceptance procedures. The samples were received in good condition at temperatures of 1.9°C and 1.8°C.

Please note no client information was listed on the chains-of-custody. The client was identified by the information listed on the FedEx air bill. The client was notified on September 2, 2009.

No other anomalies were encountered during sample receipt.

### **Standards**

Analytical standards were prepared using commercially available certified solutions containing all compounds of interest.

The mass labeled compounds 13C4 PFBA, 13C2 PFHxA, 18O2 PFHxS, 13C4 PFOA, 13C4 PFOS, 13C5 PFNA, 13C2 PFDA, 13C2 PFUnA, 13C2 PFDoA, and D3 MeFOSA were introduced at the extraction step and were used for internal standards for the quantitation of the target compounds.

### **Sample Extraction and Analysis**

The samples presented in this report were extracted for the target analytes by TestAmerica Denver's Standard Operating Procedure (SOP) DV-OP-0019 and analyzed for the target analytes by TestAmerica Denver's SOP DV-LC-0012.

### **Method QC Samples**

The Method Blank is processed reagent water spiked with surrogate and prepared with each batch of 20 samples of the same matrix. The method blanks were non-detect at the reporting limits for the target analytes.

Each batch is prepared with low and mid level Laboratory Control Samples (LCS). The LCS recoveries for both levels were within established control limits, with the exception of the items noted in section Analytical Comments.

### Analytical Comments

The Standard Operating Procedure (SOP) was altered slightly in the sample preparation for FOSA. Sodium hydroxide was added to all the samples in this lot to obtain a pH of 14 instead of the SOP required <2. The basic pH is generating better internal standard recoveries for Me FOSA.

Please note the organic preparation chemist had to use two cartridges during the FOSA extraction process as the first cartridge clogged during the extraction of the following samples:

#48 132 KIRBY YOUNG RD  
#51 916 KIRBY YOUNG RD  
#54 234 BUFORD RIDLEY RD  
#55 275 BUFORD RIDLEY RD  
#56 279 BUFORD RIDLEY RD  
#59 100 NGA RACEWAY RD  
#60 220 NGA RACEWAY RD  
#62 362 ZEKE ALLEN RD  
#63 355 ZEKE ALLEN RD  
DUP

The internal standard recovery for 13C2 PFUnA associated with QC batch 9246452 were recovered below 50% in sample #55 275 BUFORD RIDLEY RD. Upon re-extraction and reanalysis in QC batch 9257502, internal standard recoveries were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the laboratory recommended sample holding time.

The internal standard recovery for MeFOSA associated with QC batch 9244546 was recovered below 50% in the samples listed below. Upon re-extraction and reanalysis outside of hold, in QC batch 9248096 or 9259175, internal standard recovery outliers were present in some samples, while other samples exhibited recoveries within control, as detailed below:

Sample	MeFOSA Recovery Original (9244546)	MeFOSA Recovery Re-analysis (9248096*)
#48 132 KIRBY YOUNG RD	49.3%	41% (batch 9259175)
#60 220 NGA RACEWAY RD	36.7%	6.3%
#61 463 ZEKE ALLEN RD	42.3%	56%
#62 362 ZEKE ALLEN RD	39.9%	21%
#63 355 ZEKE ALLEN RD	34.6%	53%
DUP	35.7%	47.7%

\* Batch 9248096 unless otherwise noted.

Only the original data has been reported for samples demonstrating internal standard recoveries outside QC limits in both the original and re-analysis data, as this indicates that the anomaly is most likely due to matrix interference. Both the original and re-analysis data are reported for the samples demonstrating internal standard recoveries 100% in control in the re-analysis batch, as re-extraction was unavoidably performed outside the laboratory recommended sample holding time.

The method blank associated with QC batch 9244546 exhibited an internal standard recovery below 50% for MeFOSA. This failure indicates a high bias in the quantitation of the FOSA. As no detectable concentrations of FOSA are present in the Method Blank, corrective action is deemed unnecessary.

Due to a limitation in the LIMS system, the low-level LCS associated with QC batch 9257502 reported the percent recovery for Perfluorotridecanoic Acid (PFTriA) as 0.0%. PFTriA was recovered within the control limits (50-150%); however, as this compound was detected below the Method Detection Limit (MDL) of 0.020 ug/L, the system reports the percent recovery as 0.0%.

The low level LCS and mid-level LCSD analyses associated with QC batch 9244546 exhibited percent recoveries outside the QC control limits for FOSA, biased high. This is an indicator that data may be biased high. As no detectable concentrations of FOSA were present in the associated samples, corrective action is deemed unnecessary.

The method required MS/MSD could not be performed for QC batches 9245528, 9246452, 9257502, 9244546 and 9248096, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable low-level LCS and mid-level LCS/LCSD analyses data.

No other anomalies were observed.

## EXECUTIVE SUMMARY - Detection Highlights

D9I010246

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>#51 916 KIRBY YOUNG RD 08/31/09 11:09 005</b>				
Perfluorobutane sulfonate (PFB)	0.017 J	0.020	ug/L	DEN -LC-0012
<b>#53 160 BUFORD RIDLEY RD 08/31/09 11:44 007</b>				
Perfluorohexanoic acid (PFHxA)	0.0083 J	0.020	ug/L	DEN -LC-0012
Perfluoroctanesulfonate	0.010 J	0.020	ug/L	DEN -LC-0012
Perfluoroctanoic Acid	0.0083 J	0.020	ug/L	DEN -LC-0012
<b>#54 234 BUFORD RIDLEY RD 08/31/09 11:53 008</b>				
Perfluorohexanoic acid (PFHxA)	0.0039 J	0.020	ug/L	DEN -LC-0012
<b>DUP 08/31/09 018</b>				
Perfluorobutane sulfonate (PFB)	0.016 J	0.020	ug/L	DEN -LC-0012

## METHODS SUMMARY

D9I010246

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
LC/MS/MS PFCs	DEN -LC-0012	SW846 FOSA spec

### References:

DEN      Severn Trent Laboratores, Denver, Facility Standard  
Operating Procedure.

## METHOD / ANALYST SUMMARY

D9I010246

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
DEN -LC-0012	Jacqueline Bonnett	003601

### References:

DEN      Severn Trent Laboratores, Denver, Facility Standard  
Operating Procedure.

# SAMPLE SUMMARY

D9I010246



<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
LJ50M	001	#47 2558 BROWN'S BRIDGE RD	08/26/09	11:38
LJ50R	002	#48 132 KIRBY YOUNG RD	08/26/09	11:56
LJ50T	003	#49 772 KIRBY YOUNG RD	08/31/09	10:45
LJ501	004	#50 FEILD BLANK	08/31/09	10:45
LJ507	005	#51 916 KIRBY YOUNG RD	08/31/09	11:09
LJ51A	006	#52 134 BUFORD RIDLEY RD	08/31/09	11:32
LJ51E	007	#53 160 BUFORD RIDLEY RD	08/31/09	11:44
LJ51J	008	#54 234 BUFORD RIDLEY RD	08/31/09	11:53
LJ51K	009	#55 275 BUFORD RIDLEY RD	08/31/09	12:07
LJ51L	010	#56 279 BUFORD RIDLEY RD	08/31/09	12:15
LJ51M	011	#57 281 BUFORD RIDLEY RD	08/31/09	12:27
LJ51P	012	#58 267 BUFORD RIDLEY RD	08/31/09	12:40
LJ51R	013	#59 100 NGA RACEWAY RD	08/31/09	12:58
LJ51T	014	#60 220 NGA RACEWAY RD	08/31/09	13:14
LJ51W	015	#61 463 ZEKE ALLEN RD	08/31/09	13:49
LJ510	016	#62 362 ZEKE ALLEN RD	08/31/09	13:56
LJ512	017	#63 355 ZEKE ALLEN RD	08/31/09	14:09
LJ514	018	DUP	08/31/09	

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Dalton Utilities

Client Sample ID: #47 2558 BROWN'S BRIDGE RD

HPLC

Lot-Sample #....: D9I010246-001 Work Order #....: LJ50M1AA Matrix.....: WATER  
Date Sampled...: 08/26/09 11:38 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 21:26  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT RECOVERY	RECOVERY	LIMITS	
MeFOSA	53	(50 - 200)		

## Dalton Utilities

Client Sample ID: #47 2558 BROWN'S BRIDGE RD

## HPLC

Lot-Sample #....: D9I010246-001 Work Order #....: LJ50M1AC Matrix.....: WATER  
 Date Sampled....: 08/26/09 11:38 Date Received...: 09/01/09  
 Prep Date.....: 09/02/09 Analysis Date...: 09/04/09  
 Prep Batch #....: 9245528 Analysis Time...: 04:14  
 Dilution Factor: 1

Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
		(50 - 200)
13C4 PFOA	115	(50 - 200)
13C4 PFOS	75	(50 - 200)
13C4 PFBA	99	(50 - 200)
13C2 PFHxA	118	(50 - 200)
18O2 PFHxS	105	(50 - 200)
13C5 PFNA	91	(50 - 200)
13C2 PFDA	71	(50 - 200)
13C2 PFUnA	75	(50 - 200)
13C2 PFDoA	73	(50 - 200)

Dalton Utilities

Client Sample ID: #48 132 KIRBY YOUNG RD

HPLC

Lot-Sample #....: D9I010246-002 Work Order #....: LJ50R1AA Matrix.....: WATER  
Date Sampled...: 08/26/09 11:56 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 21:33  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT	RECOVERY	LIMITS	
MePOSA	49 *	(50 - 200)		

NOTE (S) :

\* Surrogate recovery is outside stated control limits.

## Dalton Utilities

Client Sample ID: #48 132 KIRBY YOUNG RD

## HPLC

Lot-Sample #....: D9I010246-002 Work Order #....: LJ50R1AC Matrix.....: WATER  
 Date Sampled....: 08/26/09 11:56 Date Received...: 09/01/09  
 Prep Date.....: 09/02/09 Analysis Date...: 09/04/09  
 Prep Batch #....: 9245528 Analysis Time...: 04:30  
 Dilution Factor: 1

Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xs)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C4 PFOA	113	(50 - 200)
13C4 PFOS	73	(50 - 200)
13C4 PFBA	94	(50 - 200)
13C2 PFHxA	111	(50 - 200)
18O2 PFHxS	100	(50 - 200)
13C5 PFNA	90	(50 - 200)
13C2 PFDA	77	(50 - 200)
13C2 PFUnA	74	(50 - 200)
13C2 PFDoA	79	(50 - 200)

Dalton Utilities

Client Sample ID: #49 772 KIRBY YOUNG RD

HPLC

Lot-Sample #....: D9I010246-003 Work Order #....: LJ50T1AA Matrix.....: WATER  
Date Sampled...: 08/31/09 10:45 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 21:40  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT	RECOVERY	LIMITS	
MeFOSA	RECOVERY	60	(50 - 200)	

## Dalton Utilities

Client Sample ID: #49 772 KIRBY YOUNG RD

## HPLC

Lot-Sample #....: D9I010246-003 Work Order #....: LJ50T1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 10:45 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 01:29  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
13C4 PFOA	101	(50	- 200)
13C4 PFOS	62	(50	- 200)
13C4 PFBA	90	(50	- 200)
13C2 PFHxA	93	(50	- 200)
18O2 PFHxS	84	(50	- 200)
13C5 PFNA	76	(50	- 200)
13C2 PFDA	65	(50	- 200)
13C2 PFUnA	56	(50	- 200)
13C2 PFDoA	59	(50	- 200)

Dalton Utilities

Client Sample ID: #50 FEILD BLANK

HPLC

Lot-Sample #....: D9I010246-004 Work Order #....: LJ5011AA Matrix.....: WATER  
Date Sampled....: 08/31/09 10:45 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time..: 21:54  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
MeFOSA	59	(50 - 200)		

## Dalton Utilities

Client Sample ID: #50 FRIED BLANK

## HPLC

Lot-Sample #....: D9I010246-004 Work Order #....: LJ5011AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 10:45 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 01:45  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFHxS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA)	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUnA)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDoA)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFTriA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (PTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFBs)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFDs)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(50 - 200)	(50 - 200)
13C4 PFOA	117	(50 - 200)	(50 - 200)
13C4 PFOS	85	(50 - 200)	(50 - 200)
13C4 PFBA	93	(50 - 200)	(50 - 200)
13C2 PFHxA	97	(50 - 200)	(50 - 200)
18O2 PFHxS	94	(50 - 200)	(50 - 200)
13C5 PFNA	101	(50 - 200)	(50 - 200)
13C2 PFDA	89	(50 - 200)	(50 - 200)
13C2 PFUnA	83	(50 - 200)	(50 - 200)
13C2 PFDoA	76	(50 - 200)	(50 - 200)

Dalton Utilities

Client Sample ID: #51 916 KIRBY YOUNG RD

HPLC

Lot-Sample #....: D9I010246-005 Work Order #....: LJ5071AA Matrix.....: WATER  
Date Sampled...: 08/31/09 11:09 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 22:02  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057

SURROGATE	PERCENT	RECOVERY	LIMITS	
			RECOVERY	LIMITS
MeFOSA	53		(50 - 200)	

## Dalton Utilities

Client Sample ID: #51 916 KIRBY YOUNG RD

## HPLC

Lot-Sample #....: D9I010246-005 Work Order #....: LJ5071AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 11:09 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 02:01  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	0.017 J	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
13C4 PFOA	108	(50	- 200)
13C4 PFOS	67	(50	- 200)
13C4 PFBA	89	(50	- 200)
13C2 PFHxA	98	(50	- 200)
18O2 PFHxS	86	(50	- 200)
13C5 PFNA	81	(50	- 200)
13C2 PFDA	69	(50	- 200)
13C2 PFUnA	64	(50	- 200)
13C2 PFDoA	66	(50	- 200)

## NOTE(S) :

J Estimated result. Result is less than RL.

Dalton Utilities

Client Sample ID: #52 134 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-006 Work Order #....: LJ51A1AA Matrix.....: WATER  
Date Sampled....: 08/31/09 11:32 Date Received..: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 22:09  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT	RECOVERY	LIMITS	
MeFOSA	72	(50 - 200)		

## Dalton Utilities

Client Sample ID: #52 134 BUFORD RIDLEY RD

## HPLC

Lot-Sample #....: D9I010246-006 Work Order #....: LJ51A1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 11:32 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 02:18  
 Dilution Factor: 1 Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C4 PFOA	116	(50 - 200)
13C4 PFOS	77	(50 - 200)
13C4 PFBA	95	(50 - 200)
13C2 PFHxA	102	(50 - 200)
18O2 PFHxS	91	(50 - 200)
13C5 PFNA	91	(50 - 200)
13C2 PFDA	74	(50 - 200)
13C2 PFUnA	73	(50 - 200)
13C2 PFDoA	77	(50 - 200)

Dalton Utilities

Client Sample ID: #53 160 BUFORD RIDLEY RD

HPLC

Lot-Sample #...: D9I010246-007 Work Order #...: LJ51E1AA Matrix.....: WATER  
Date Sampled...: 08/31/09 11:44 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #...: 9244546 Analysis Time...: 22:16  
Dilution Factor: 1.

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
MeFOSA	64	(50 - 200)		

## Dalton Utilities



Client Sample ID: #53 160 BUFORD RIDLEY RD

## HPLC

Lot-Sample #....: D9I010246-007   Work Order #....: LJ51E1AC   Matrix.....: WATER  
 Date Sampled....: 08/31/09 11:44   Date Received...: 09/01/09  
 Prep Date.....: 09/03/09   Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452   Analysis Time...: 02:50  
 Dilution Factor: 1   Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xs)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	0.0083 J	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (PFTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	0.010 J	0.020	ug/L	0.0068
Perfluorooctanoic Acid	0.0083 J	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
13C4 PFOA	93	(50	- 200)
13C4 PFOS	58	(50	- 200)
13C4 PFBA	79	(50	- 200)
13C2 PFHxA	83	(50	- 200)
18O2 PFHxS	77	(50	- 200)
13C5 PFNA	71	(50	- 200)
13C2 PFDA	60	(50	- 200)
13C2 PFUnA	54	(50	- 200)
13C2 PFDoA	61	(50	- 200)

## NOTE(S) :

J Estimated result. Result is less than RL.

Dalton Utilities

Client Sample ID: #54 234 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-008 Work Order #....: LJ51J1AA Matrix.....: WATER  
Date Sampled....: 08/31/09 11:53 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 22:23  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
MeFOSA	51	(50 - 200)		

## Dalton Utilities



Client Sample ID: #54 234 BUFORD RIDLEY RD

## HPLC

Lot-Sample #....: D9I010246-008 Work Order #....: LJ51J1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 11:53 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 03:06  
 Dilution Factor: 1

Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xs)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	0.0039 J	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C4 PFOA	110	(50 - 200)
13C4 PFOS	70	(50 - 200)
13C4 PFBA	96	(50 - 200)
13C2 PFHxA	100	(50 - 200)
18O2 PFHxS	90	(50 - 200)
13C5 PFNA	82	(50 - 200)
13C2 PFDA	73	(50 - 200)
13C2 PFUnA	69	(50 - 200)
13C2 PFDoA	70	(50 - 200)

NOTE(S) :

J Estimated result. Result is less than RL.

Dalton Utilities

Client Sample ID: #55 275 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-009 Work Order #....: LJ51K1AA Matrix.....: WATER  
Date Sampled....: 08/31/09 12:07 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time..: 22:30  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	(50 - 200)
MeFOSA	69		

## Dalton Utilities



Client Sample ID: #55 275 BUFORD RIDLEY RD

## HPLC

Lot-Sample #....: D9I010246-009 Work Order #....: LJ51K1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 12:07 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 03:22  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (PFTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
13C4 PFOA	88	(50	- 200)
13C4 PFOS	50	(50	- 200)
13C4 PFBA	78	(50	- 200)
13C2 PFHxA	79	(50	- 200)
18O2 PFHxS	72	(50	- 200)
13C5 PFNA	63	(50	- 200)
13C2 PFDA	51	(50	- 200)
13C2 PFUnA	46 *	(50	- 200)
13C2 PFDoA	53	(50	- 200)

## NOTE (S) :

\* Surrogate recovery is outside stated control limits.

Dalton Utilities

Client Sample ID: #55 275 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-009 Work Order #....: LJ51K2AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 12:07 Date Received...: 09/01/09  
 Prep Date.....: 09/14/09 Analysis Date...: 09/17/09  
 Prep Batch #....: 9257502 Analysis Time...: 15:10  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.011
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0070
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0098
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0029
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.013
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.017
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0078
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0069
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.015
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.018
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.015
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0082
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0092
Perfluorooctanesulfonate	ND	0.020	ug/L	0.013
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0098

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
13C4 PFOA	113	(50	- 200)
13C4 PFOS	73	(50	- 200)
13C4 PFBA	83	(50	- 200)
13C2 PFHxA	90	(50	- 200)
18O2 PFHxS	98	(50	- 200)
13C5 PFNA	80	(50	- 200)
13C2 PFDA	72	(50	- 200)
13C2 PFUnA	65	(50	- 200)
13C2 PFDoA	58	(50	- 200)

Dalton Utilities

Client Sample ID: #56 279 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-010 Work Order #....: LJ51L1AA Matrix.....: WATER  
Date Sampled....: 08/31/09 12:15 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 22:37  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(50	- 200)
MeFOSA	54		

Dalton Utilities

Client Sample ID: #56 279 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-010 Work Order #....: LJ51L1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 12:15 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 03:38  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xs)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(50 - 200)	(50 - 200)
13C4 PFOA	97	(50 - 200)	(50 - 200)
13C4 PFOS	60	(50 - 200)	(50 - 200)
13C4 PFBA	85	(50 - 200)	(50 - 200)
13C2 PFHxA	89	(50 - 200)	(50 - 200)
18O2 PFHxS	79	(50 - 200)	(50 - 200)
13C5 PFNA	76	(50 - 200)	(50 - 200)
13C2 PFDA	58	(50 - 200)	(50 - 200)
13C2 PFUnA	57	(50 - 200)	(50 - 200)
13C2 PFDoA	60	(50 - 200)	(50 - 200)

Dalton Utilities

Client Sample ID: #57 281 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-011 Work Order #....: LJ51M1AA Matrix.....: WATER  
Date Sampled...: 08/31/09 12:27 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 22:52  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	(50 - 200)
MeFOSA	72		

## Dalton Utilities

Client Sample ID: #57 281 BUFORD RIDLEY RD

## HPLC

Lot-Sample #....: D9I010246-011 Work Order #....: LJ51M1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 12:27 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 03:54  
 Dilution Factor: 1

Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA)	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (PFTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C4 PFOA	111	(50 - 200)
13C4 PFOS	74	(50 - 200)
13C4 PFBA	99	(50 - 200)
13C2 PFHxA	109	(50 - 200)
18O2 PFHxS	92	(50 - 200)
13C5 PFNA	95	(50 - 200)
13C2 PFDA	82	(50 - 200)
13C2 PFUnA	73	(50 - 200)
13C2 PFDoA	76	(50 - 200)

Dalton Utilities

Client Sample ID: #58 267 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-012 Work Order #....: LJ51P1AA Matrix.....: WATER  
Date Sampled...: 08/31/09 12:40 Date Received..: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 22:59  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	(50 - 200)
MeFOSA	63		

Dalton Utilities

Client Sample ID: #58 267 BUFORD RIDLEY RD

HPLC

Lot-Sample #....: D9I010246-012 Work Order #....: LJ51P1AC Matrix.....: WATER  
 Date Sampled...: 08/31/09 12:40 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 04:10  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(50 - 200)	(50 - 200)
13C4 PFOA	107	(50 - 200)	(50 - 200)
13C4 PFOS	77	(50 - 200)	(50 - 200)
13C4 PFBA	99	(50 - 200)	(50 - 200)
13C2 PFHxA	108	(50 - 200)	(50 - 200)
18O2 PFHxS	91	(50 - 200)	(50 - 200)
13C5 PFNA	90	(50 - 200)	(50 - 200)
13C2 PFDA	81	(50 - 200)	(50 - 200)
13C2 PFUnA	76	(50 - 200)	(50 - 200)
13C2 PFDoA	78	(50 - 200)	(50 - 200)

Dalton Utilities

Client Sample ID: #59 100 NGA RACEWAY RD

HPLC

Lot-Sample #: D9I010246-013 Work Order #: LJ51R1AA Matrix.....: WATER  
Date Sampled...: 08/31/09 12:58 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #: 9244546 Analysis Time...: 23:06  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT	RECOVERY		
MeFOSA	RECOVERY	LIMITS		
	58	(50 - 200)		

## Dalton Utilities

Client Sample ID: #59 100 NGA RACEWAY RD

## HPLC

Lot-Sample #....: D9I010246-013 Work Order #....: LJ51R1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 12:58 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 04:27  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(50 - 200)	(50 - 200)
13C4 PFOA	100	(50 - 200)	(50 - 200)
13C4 PFOS	62	(50 - 200)	(50 - 200)
13C4 PFBA	96	(50 - 200)	(50 - 200)
13C2 PFHxA	101	(50 - 200)	(50 - 200)
18O2 PFHxS	84	(50 - 200)	(50 - 200)
13C5 PFNA	81	(50 - 200)	(50 - 200)
13C2 PFDA	64	(50 - 200)	(50 - 200)
13C2 PFUnA	57	(50 - 200)	(50 - 200)
13C2 PFDoA	60	(50 - 200)	(50 - 200)

Dalton Utilities

Client Sample ID: #60 220 NGA RACEWAY RD

HPLC

Lot-Sample #....: D9I010246-014 Work Order #....: LJ51T1AA Matrix.....: WATER  
Date Sampled....: 08/31/09 13:14 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 23:13  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
MeFOSA	37 *	(50 - 200)

NOTE(S) :

\* Surrogate recovery is outside stated control limits.

Dalton Utilities

Client Sample ID: #60 220 NGA RACEWAY RD

HPLC

Lot-Sample #....: D9I010246-014 Work Order #....: LJ51T1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 13:14 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 04:43  
 Dilution Factor: 1

Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (P riaA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C4 PFOA	107	(50 - 200)
13C4 PFOS	70	(50 - 200)
13C4 PFBA	99	(50 - 200)
13C2 PFHxA	100	(50 - 200)
18O2 PFHxS	88	(50 - 200)
13C5 PFNA	86	(50 - 200)
13C2 PFDA	72	(50 - 200)
13C2 PFUnA	69	(50 - 200)
13C2 PFDoA	71	(50 - 200)

Dalton Utilities

Client Sample ID: #61 463 ZEKE ALLEN RD

HPLC

Lot-Sample #....: D9I010246-015 Work Order #....: LJ51W1AA Matrix.....: WATER  
Date Sampled...: 08/31/09 13:49 Date Received..: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 23:20  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
<u>SURROGATE</u>		PERCENT RECOVERY		
MeFOSA		RECOVERY	LIMITS	
		42 *	(50 - 200)	

NOTE(S) :

\* Surrogate recovery is outside stated control limits.

Dalton Utilities

Client Sample ID: #61 463 ZEKE ALLEN RD

HPLC

Lot-Sample #....: D9I010246-015 Work Order #....: LJ51W1AC Matrix.....: WATER  
 Date Sampled....: 08/31/09 13:49 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 05:15  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riaA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (PFTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY
		LIMITS
13C4 PFOA	112	(50 - 200)
13C4 PFOS	66	(50 - 200)
13C4 PFBA	96	(50 - 200)
13C2 PFHxA	104	(50 - 200)
18O2 PFHxS	87	(50 - 200)
13C5 PFNA	85	(50 - 200)
13C2 PFDA	72	(50 - 200)
13C2 PFUnA	63	(50 - 200)
13C2 PFDoA	68	(50 - 200)

Dalton Utilities

Client Sample ID: #61 463 ZEKE ALLEN RD

HPLC

Lot-Sample #: D9I010246-015 Work Order #: LJ51W2AA Matrix.....: WATER  
Date Sampled...: 08/31/09 13:49 Date Received...: 09/01/09  
Prep Date.....: 09/05/09 Analysis Date...: 09/10/09  
Prep Batch #: 9248096 Analysis Time...: 17:38  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT	RECOVERY	LIMITS	
MeFOSA	56	(50 - 200)		

Dalton Utilities

Client Sample ID: #62 362 ZEKE ALLEN RD

HPLC

Lot-Sample #....: D9I010246-016 Work Order #....: LJ5101AA Matrix.....: WATER  
Date Sampled....: 08/31/09 13:56 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 23:28  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
MeFOSA	40 *	(50 - 200)

NOTE(S) :

\* Surrogate recovery is outside stated control limits.

## Dalton Utilities

Client Sample ID: #62 362 ZEEB ALLEN RD

## HPLC

Lot-Sample #....: D9I010246-016 Work Order #....: LJ5101AC Matrix.....: WATER  
 Date Sampled...: 08/31/09 13:56 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 05:31  
 Dilution Factor: 1

Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C4 PFOA	108	(50 - 200)
13C4 PFOS	61	(50 - 200)
13C4 PFBA	98	(50 - 200)
13C2 PFHxA	101	(50 - 200)
18O2 PFHxS	85	(50 - 200)
13C5 PFNA	82	(50 - 200)
13C2 PFDA	66	(50 - 200)
13C2 PFUnA	61	(50 - 200)
13C2 PFDoA	69	(50 - 200)

Dalton Utilities

Client Sample ID: #63 355 ZEKE ALLEN RD

HPLC

Lot-Sample #....: D9I010246-017 Work Order #....: LJ5121AA Matrix.....: WATER  
Date Sampled....: 08/31/09 14:09 Date Received...: 09/01/09  
Prep Date.....: 09/01/09 Analysis Date...: 09/03/09  
Prep Batch #....: 9244546 Analysis Time...: 23:35  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT RECOVERY	RECOVERY	LIMITS	
MeFOSA	35 *	(50 - 200)		

NOTE (S) :

\* Surrogate recovery is outside stated control limits.

## Dalton Utilities

Client Sample ID: #63 355 ZEKE ALLEN RD

## HPLC

Lot-Sample #....: D9I010246-017 Work Order #....: LJ5121AC Matrix.....: WATER  
 Date Sampled...: 08/31/09 14:09 Date Received...: 09/01/09  
 Prep Date.....: 09/03/09 Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452 Analysis Time...: 05:47  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xS)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	ND	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(50 - 200)	(50 - 200)
13C4 PFOA	121	(50 - 200)	(50 - 200)
13C4 PFOS	77	(50 - 200)	(50 - 200)
13C4 PFBA	104	(50 - 200)	(50 - 200)
13C2 PFHxA	114	(50 - 200)	(50 - 200)
18O2 PFHxS	93	(50 - 200)	(50 - 200)
13C5 PFNA	94	(50 - 200)	(50 - 200)
13C2 PFDA	82	(50 - 200)	(50 - 200)
13C2 PFUnA	76	(50 - 200)	(50 - 200)
13C2 PFDoA	79	(50 - 200)	(50 - 200)

Dalton Utilities

Client Sample ID: #63 355 ZEKE ALLEN RD

HPLC

Lot-Sample #....: D9I010246-017 Work Order #....: LJ5122AA Matrix.....: WATER  
Date Sampled...: 08/31/09 14:09 Date Received...: 09/01/09  
Prep Date.....: 09/05/09 Analysis Date...: 09/10/09  
Prep Batch #....: 9248096 Analysis Time...: 17:53  
Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
MeFOSA	53	(50 - 200)		

## Dalton Utilities

Client Sample ID: DUP

HPLC

Lot-Sample #....: D9I010246-018      Work Order #....: LJ5141AA      Matrix.....: WATER  
 Date Sampled....: 08/31/09      Date Received...: 09/01/09  
 Prep Date.....: 09/01/09      Analysis Date...: 09/03/09  
 Prep Batch #....: 9244546      Analysis Time...: 23:42  
 Dilution Factor: 1      Method.....: DEN -LC-0012

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>MDL</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Perfluorooctane sulfonamide (F OSA)	ND	0.050	ug/L	0.0057
<hr/>				
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
MeFOSA	36 *	<u>LIMITS</u>		(50 - 200)

NOTE (S) :

- \* Surrogate recovery is outside stated control limits.

## Dalton Utilities

Client Sample ID: DUP

## HPLC

Lot-Sample #....: D9I010246-018    Work Order #....: LJ5141AC    Matrix.....: WATER  
 Date Sampled....: 08/31/09    Date Received...: 09/01/09  
 Prep Date.....: 09/03/09    Analysis Date...: 09/06/09  
 Prep Batch #....: 9246452    Analysis Time...: 06:03  
 Dilution Factor: 1

Method.....: DEN -LC-0012

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Perfluoropentanoic acid (PFPA)	ND	0.030	ug/L	0.0082
Perfluorohexane sulfonate (PFH xs)	ND	0.030	ug/L	0.0084
Perfluorobutanoic acid (PFBA)	ND	0.020	ug/L	0.0062
Perfluorohexanoic acid (PFHxA)	ND	0.020	ug/L	0.0030
Perfluoroheptanoic acid (PFHpA )	ND	0.020	ug/L	0.0054
Perfluorononanoic acid (PFNA)	ND	0.020	ug/L	0.0065
Perfluorodecanoic acid (PFDA)	ND	0.020	ug/L	0.0026
Perfluoroundecanoic acid (PFUn A)	ND	0.020	ug/L	0.0025
Perfluorododecanoic acid (PFDo A)	ND	0.020	ug/L	0.0040
Perfluorotridecanoic acid (PFT riA)	ND	0.020	ug/L	0.0072
Perfluorotetradecanoic acid (P FTeA)	ND	0.020	ug/L	0.0087
Perfluorobutane sulfonate (PFB S)	0.016 J	0.020	ug/L	0.0045
Perfluorodecane sulfonate (PFD S)	ND	0.020	ug/L	0.0029
Perfluorooctanesulfonate	ND	0.020	ug/L	0.0068
Perfluorooctanoic Acid	ND	0.020	ug/L	0.0055

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
13C4 PFOA	119	(50	- 200)
13C4 PFOS	71	(50	- 200)
13C4 PFBA	102	(50	- 200)
13C2 PFHxA	107	(50	- 200)
18O2 PFHxS	92	(50	- 200)
13C5 PFNA	92	(50	- 200)
13C2 PFDA	78	(50	- 200)
13C2 PFUnA	68	(50	- 200)
13C2 PFDoA	77	(50	- 200)

NOTE (S) :

J Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

D9I010246

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9245528	
002	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9245528	
003	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
004	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
005	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
006	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
007	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
008	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
009	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
	WATER	DEN -LC-0012		9257502	
010	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
011	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
012	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
013	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	
014	WATER	DEN -LC-0012		9244546	
	WATER	DEN -LC-0012		9246452	

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